

Required for USU Major						Articulation of Pre-engineering Courses between Salt Lake Community College and Utah State University current as of: 6/5/2009				
B	I	C	E	M	M	USU			SLCC	
						Course	Cr	Course Title	Course	Cr
X						BIE 1880	3	Quantitative Biological Systems		
X						BIE 2330	3	Properties of Biomaterials		
X						BIE 2400	3	Biological Thermodynamics	CHE 2300	2
X						BIOL 1610 (was 1210)	4	Biology I	Biol 1610 + 1615	4
X		X				BIOL 3300	4	General Microbiology	Biol 2060+2065	4+0
	X	X				CEE 1880	1	CEE Orientation & Computer Applications	ENGR 1040	3
	X	X				CEE 2240	3	Engineering Surveying	CEEN 2240	3
	X					CEE 2870	1	Sophomore Seminar - Civil	CEEN 1100	3
		X				CEE 2890	1	Sophomore Seminar - Environmental	CEEN 1100	3
X	X	X			X	CHEM 1210	4	Principles of Chemistry I	Chem 1210	4
X	X				X	CHEM 1215 (was 1230)	1	Principles of Chemistry Lab I	Chem 1215	1
X						CHEM 2300	3	Principles of Organic Chemistry	Chem 2310	4
X						CHEM 2315 (was 2330)	1	Organic Chemistry Lab I	Chem 2315	1
X						CHEM 3700	3	Introduction to Biochemistry		
X						CHEM 3710	1	Introduction to Biochemistry Lab		
			X	X		CS 1400 (was 1700)	3	Intro to Computer Science - CS 1	CS 1400*	3
						CS 1405 (was 1710)	1	Intro to Computer Science - CS 1 Lab		
			X	X		CS 1410 (was 1720)	3	Intro to Computer Science - CS 2	CS 1410*	4
			X			CS 2420 (was 2200)	3	Algorithms & Data Structures - CS 3	CS 2420*	4
			X			CS 3100	3	OS + Concurrency		
			X	X		ECE 1000 (was 1010)	2	Intro to Electrical & Computer Engineering	EE 1270	4
			X	X		ECE 2250 (was 2270/2410)	4	Electrical Circuits	EE 2260	4
			X	X		ECE 2700 (was 2530)	4	Digital Circuits	EE 2700	4
X	X	X	X	X	X	ENGL 1010	3	Introduction to Writing	Engl 1010	3
X	X	X	X	X	X	ENGL 2010	3	Intermediate Writing	Engl 2010	3
X						ENGR 1000 (was 1010)	2	Introduction to Engineering Design		
X	X	X			X	ENGR 2010 (was 2000)	2	Engineering Mechanics - Statics	CEEN 2010	3
X	X	X			X	ENGR 2030 (was 2020)	3	Engineering Mechanics - Dynamics	MEEN 2020+2060	2+2
	X	X			X	ENGR 2140 (was 2040)	2	Strength of Materials	CEEN 2140	2
X	X	X				ENGR 2450 (was 2210)	2	Engineering Numerical Methods	CEEN 2450	2
X	X				X	ETE 2210 (was 2200)	4	Electrical Engineering for Non-majors	EE 2210	3
X	X	X				ETE 2270	2	Computer Engineering Drafting	MEEN 1050	2
	X	X				GEO 1110 (was 1150)	4	Dynamic Earth	Geol 1110+1115	3+1
					X	MAE 1200	2	Engineering Graphics	MEEN 1050	2
	X				X	MAE 2160 (was 2060)	3	Material Science	MSE 2160	3
					X	MAE 2200	2	Engineering Numerical Methods I		
	X	X			X	MAE 2300 (was 2400)	3	Thermodynamics I	CHE 2300+1 credit module	2
					X	MAE 2450 (was 2210)	3	Engineering Numerical Methods II	MEEN 2450	2
					X	MAE 2650 (was 2600)	3	Manufacturing Processes	MEEN 2650	4
X	X	X	X	X	X	MATH 1210	4	Calculus I	Math 1210	4
X	X	X	X	X	X	MATH 1220	4	Calculus II	Math 1220	4
	X				X	MATH 2210	3	Multivariable Calculus	Math 2210	3
X	X	X			X	MATH 2250	4	Linear Algebra & Differential Equations	Math 2250	3
			X	X		MATH 2270	3	Linear Algebra	Math 2270	4
			X	X		MATH 2280	3	Ordinary Differential Equations	Math 2280	4
			X			MATH 3310	3	Discrete Mathematics	CS 2430	3
			X	X		MATH 5710	3	Introduction to Probability		
X	X	X			X	PHYS 2200	2	Elements of Mechanics	Phys 2210 + 2215	4+1
			X	X		PHYS 2210	4	General Physics - Science I	Phys 2210 + 2215	4+1
	X	X	X	X	X	PHYS 2220	4	General Physics - Science II	Phys 2220 + 2225	4+1

\* Series should be completed at one school.